

Appl. No. 09/724,569
Amdt. dated April 5, 2005
Reply to Office Action of December 29, 2005

PATENT

Amendments to the Specification:

Please replace paragraph 44 with the following replacement paragraph:

FIG. 5 shows the full length amino acid sequence of β -secretase 1-501 (SEQ ID NO: 2), including the ORF which encodes it (SEQ ID NO: 1), with certain features indicated, such as "active-D" sites indicating the aspartic acid active catalytic sites, a transmembrane region commencing at position 453, as well as leader ("Signal") sequence (residues 1-21; SEQ ID NO: 46) and putative pro region (residues 22-45; SEQ ID NO: 47) and where the polynucleotide region corresponding the proenzyme mature enzyme region corresponding to amino acids 46-501 (SEQ ID NO: 43)(nt 135-1503) is shown as SEQ ID NO: 44 and contains an internal peptide region (SEQ ID NO:56) and a transmembrane region (SEQ ID NO:62).